

10/046,893

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FIG. 1A

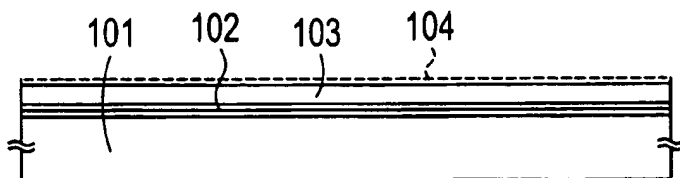


FIG. 1B

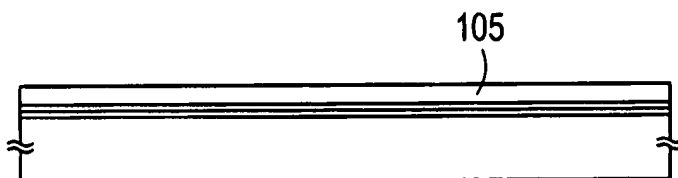


FIG. 1C

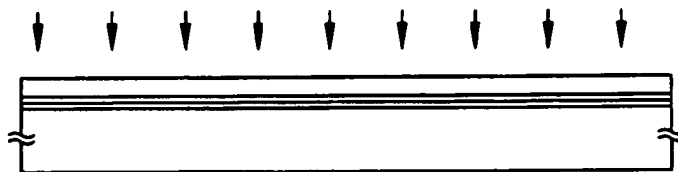
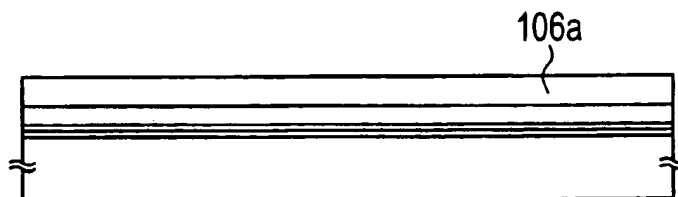


FIG. 1D



approved

Lee

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FIG. 2A

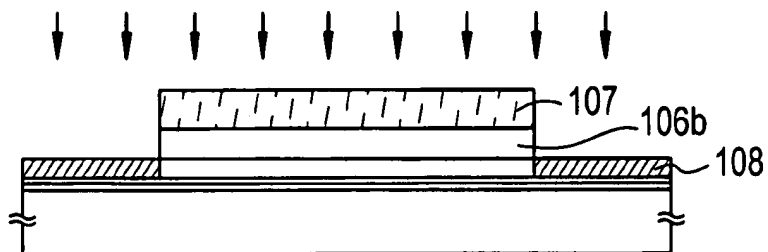


FIG. 2B

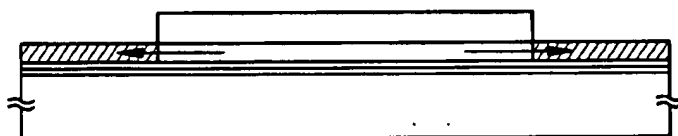


FIG. 2C

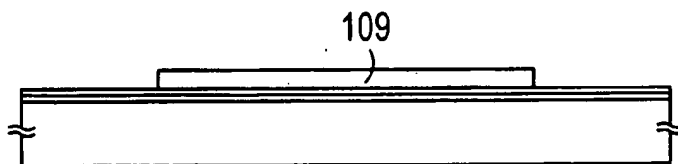
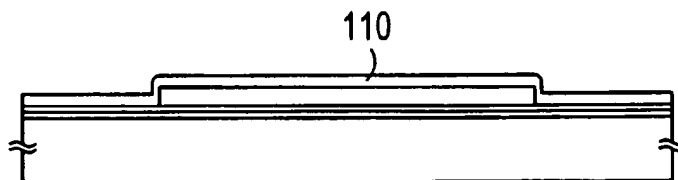


FIG. 2D



approved  
lee

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approved  
 Lee  
 1/3/05

FIG. 3A

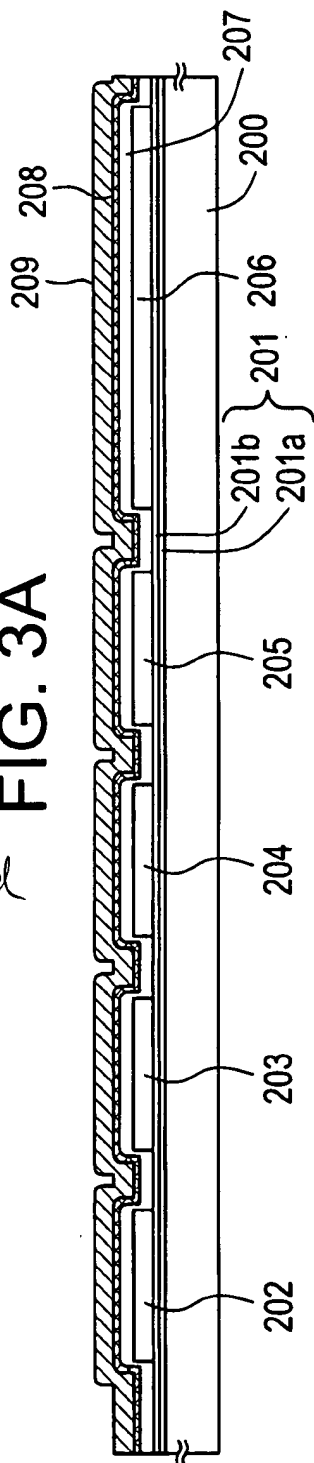


FIG. 3B

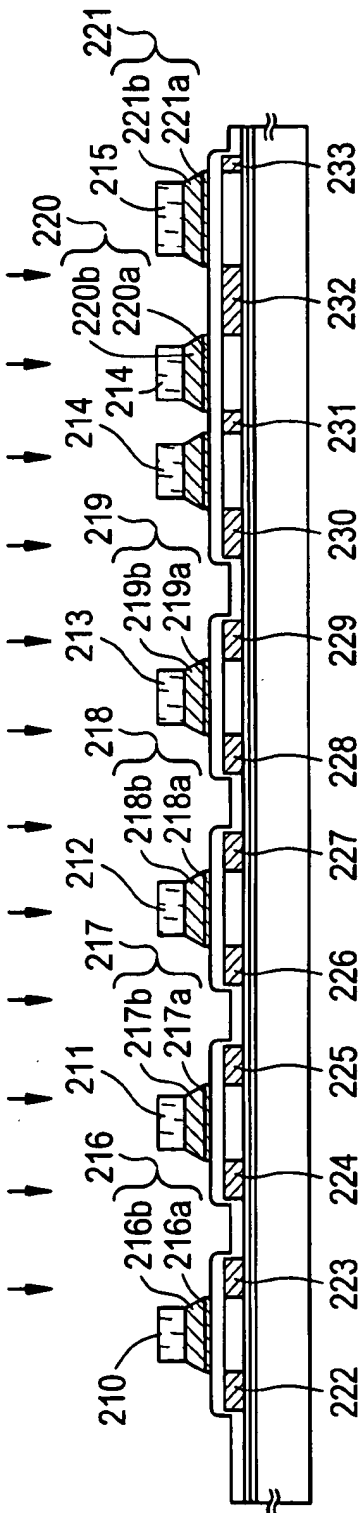
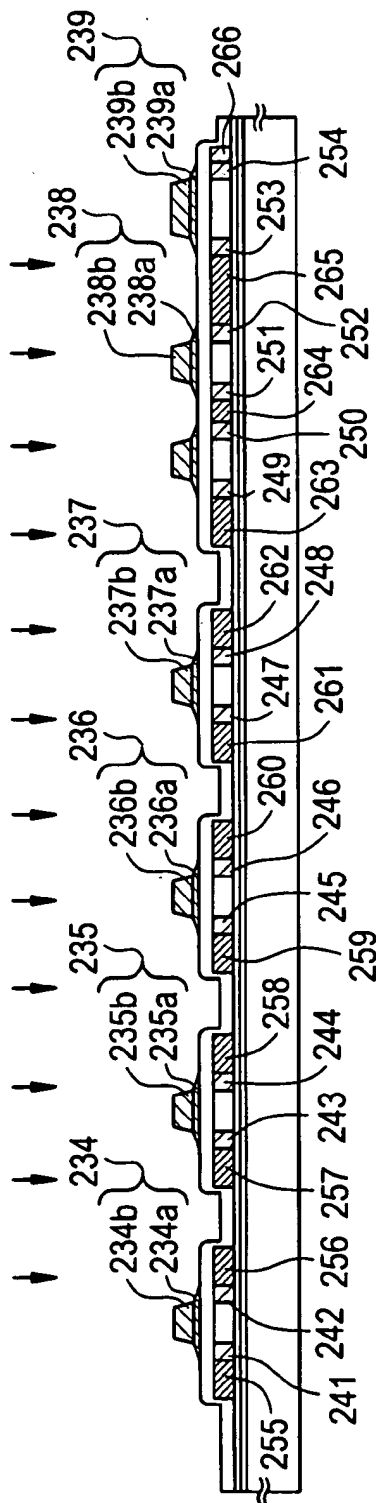


FIG. 3C



approved  
 See  
 1/13/05

FIG. 4A

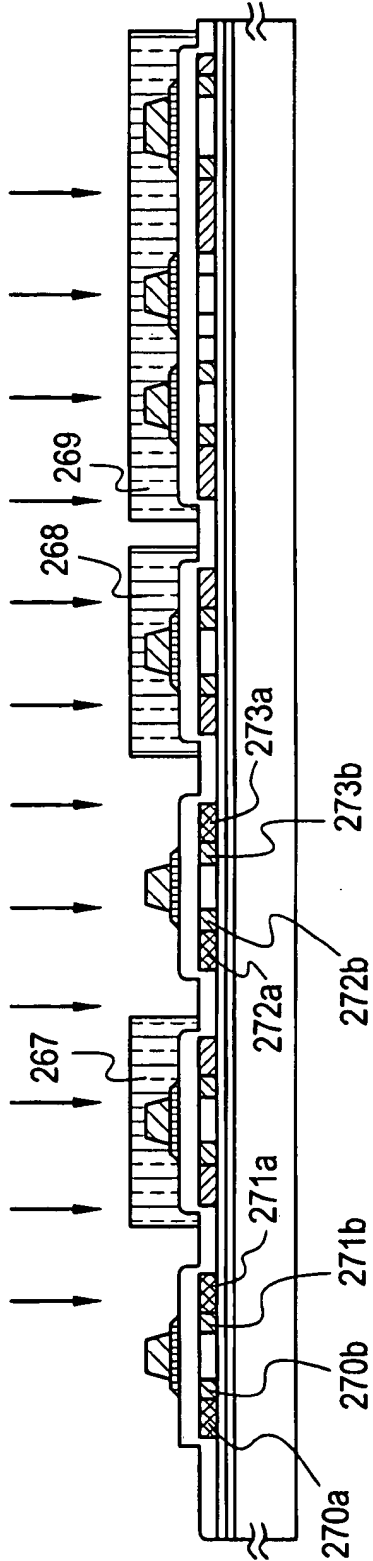


FIG. 4B

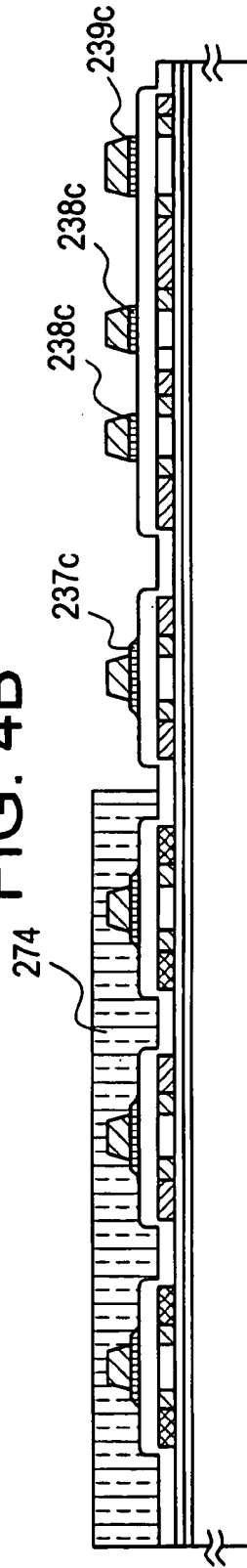
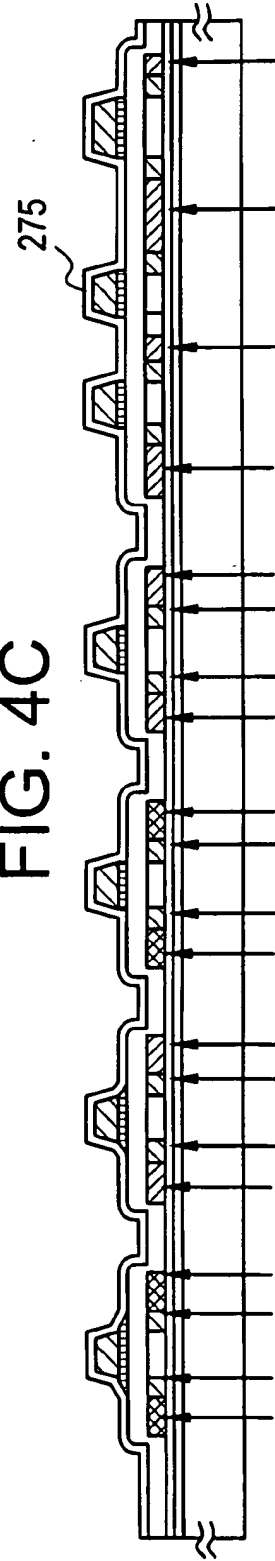


FIG. 4C

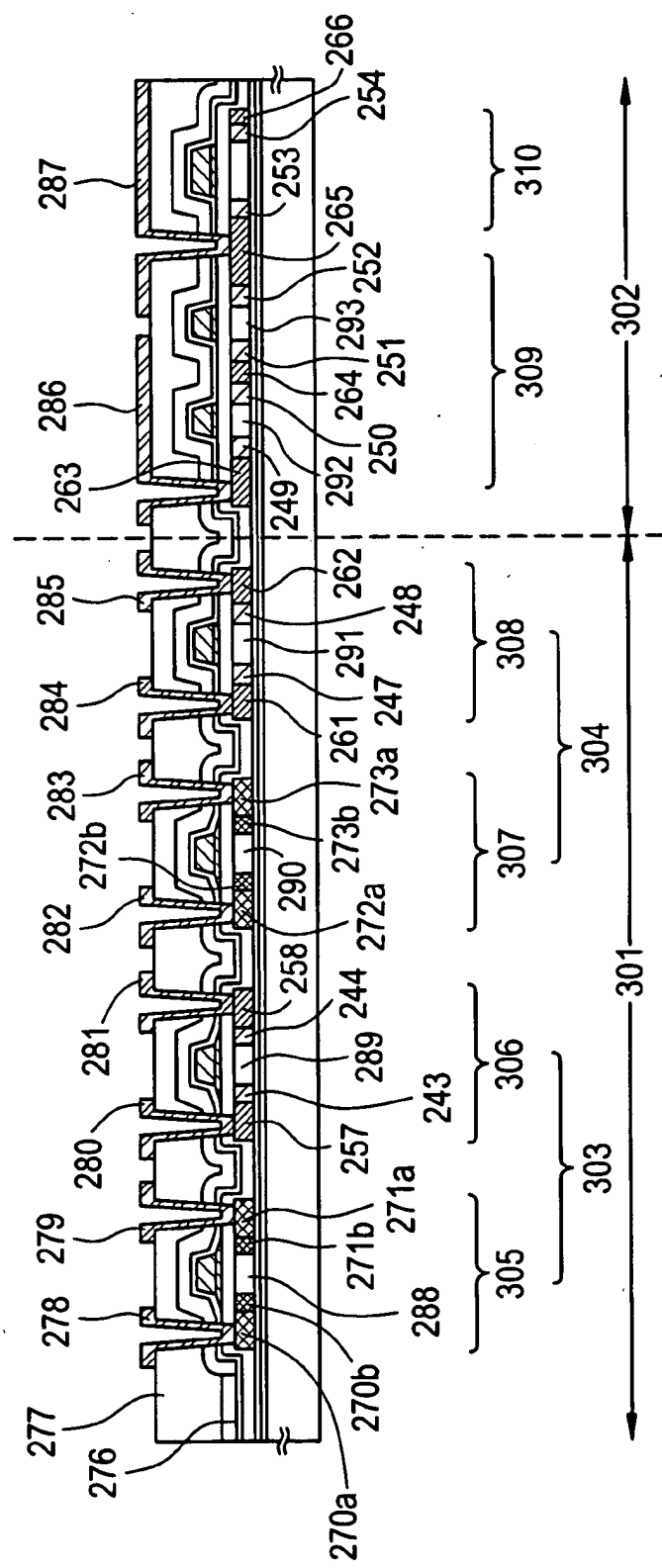




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approved  
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FIG. 5

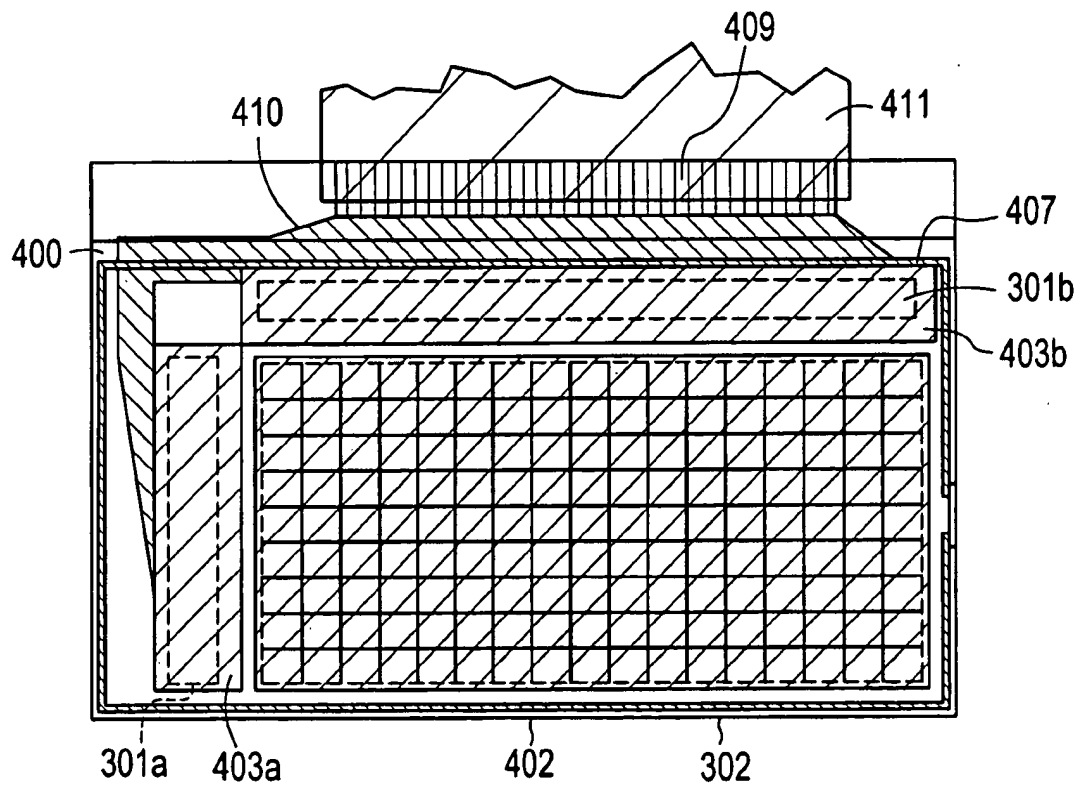






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FIG. 7



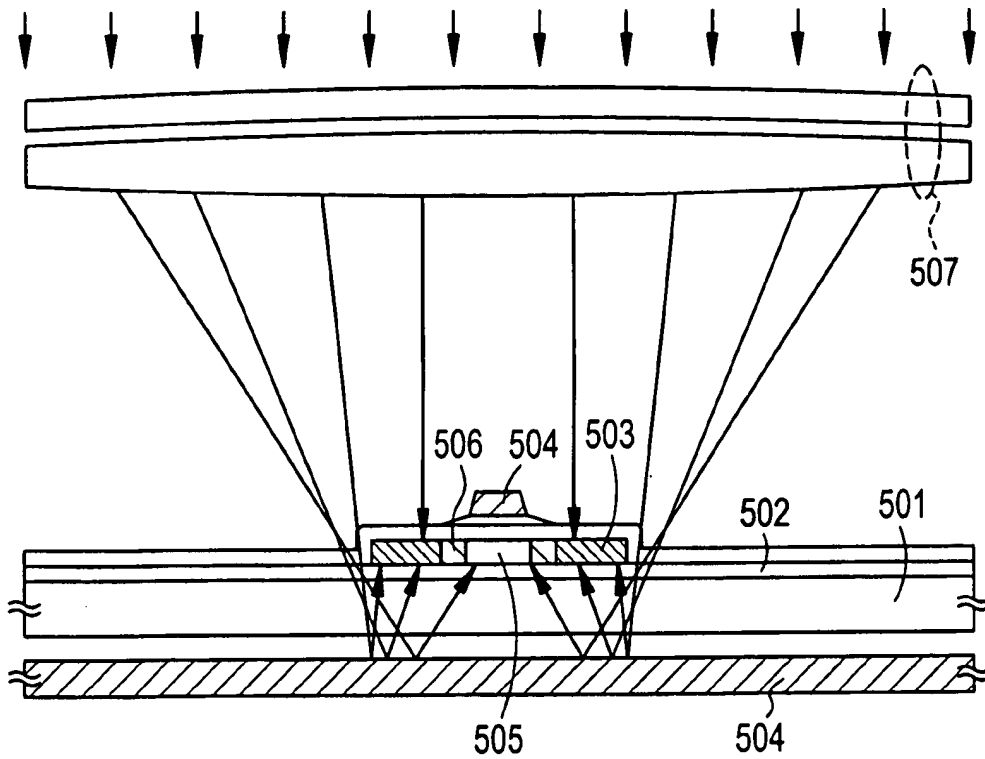
approved  
see  
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FIG. 8

approved  
See  
1/13/05







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FIG. 9A

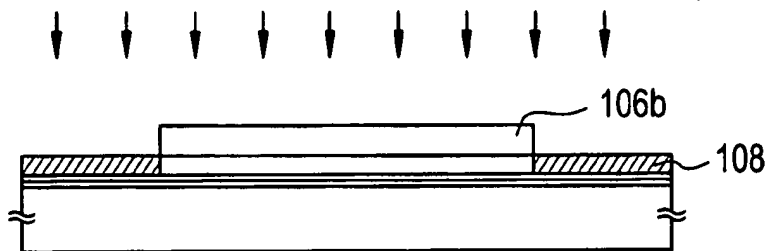


FIG. 9B

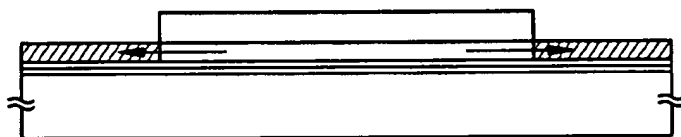


FIG. 9C

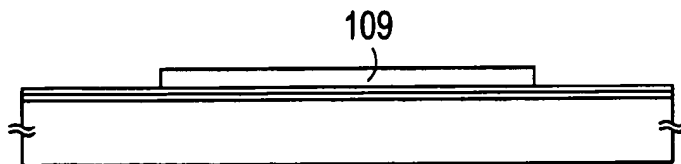
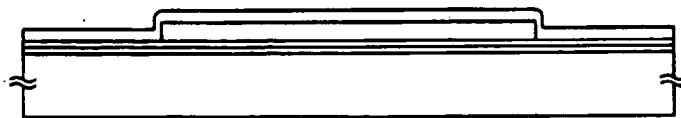
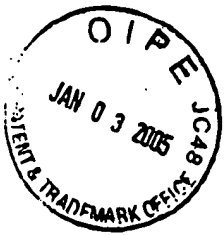


FIG. 9D



approved  
lee  
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FIG. 10A

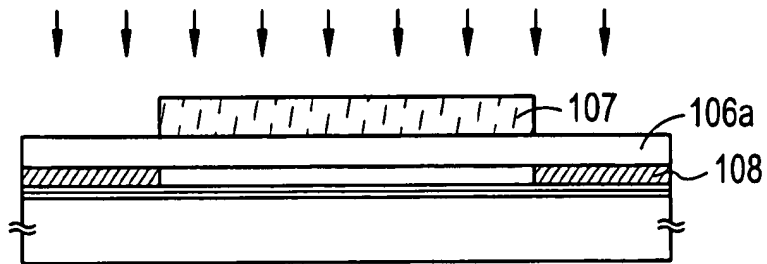


FIG. 10B

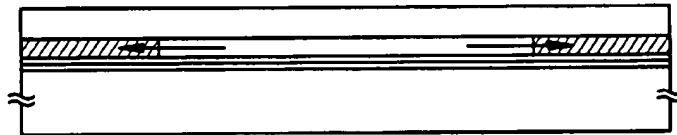


FIG. 10C

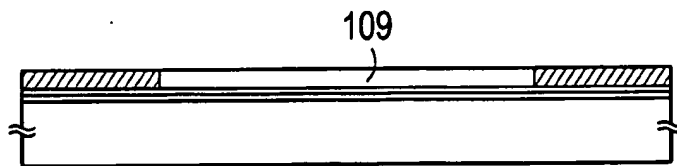
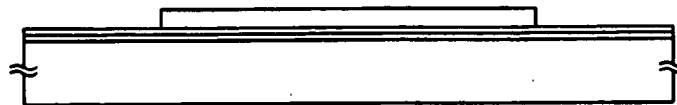


FIG. 10D



approved  
be  
1/13/05



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FIG. 11A

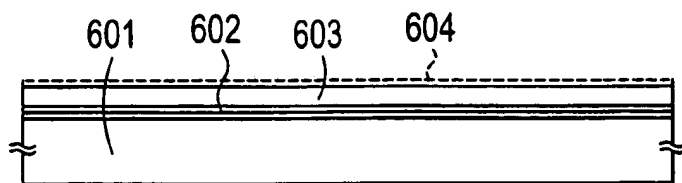


FIG. 11B

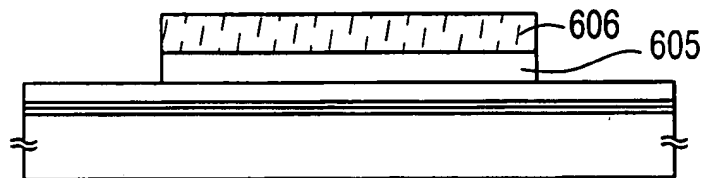


FIG. 11C

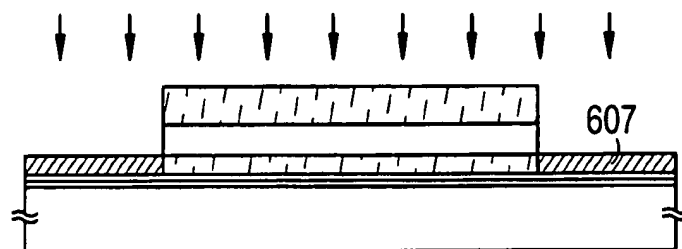


FIG. 11D

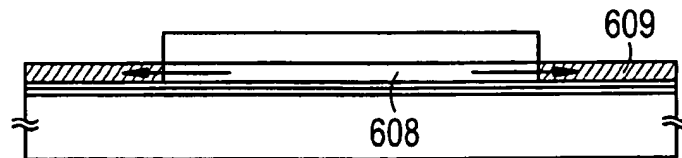


FIG. 11E



approved  
see  
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FIG. 12A

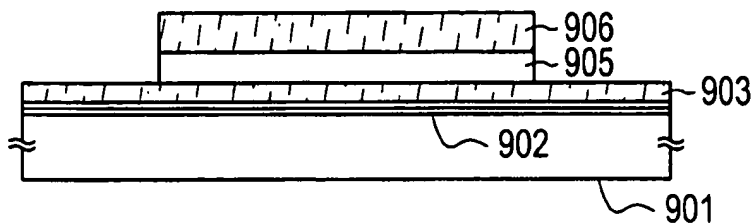


FIG. 12B

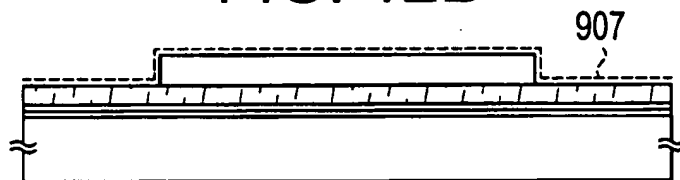


FIG. 12C

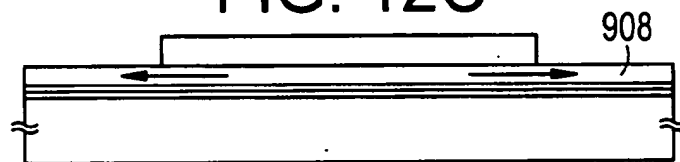


FIG. 12D

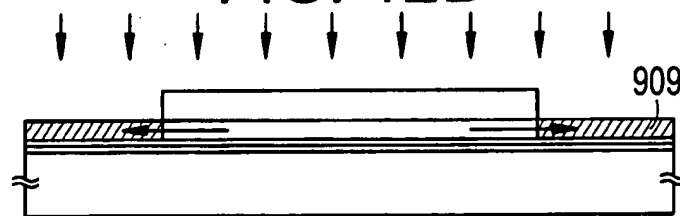


FIG. 12E

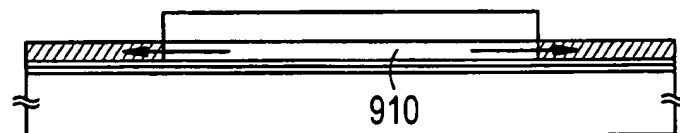
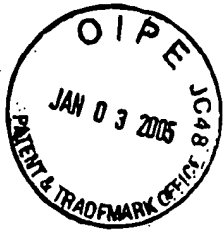


FIG. 12F



approved  
see  
1/13/05



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FIG. 13A

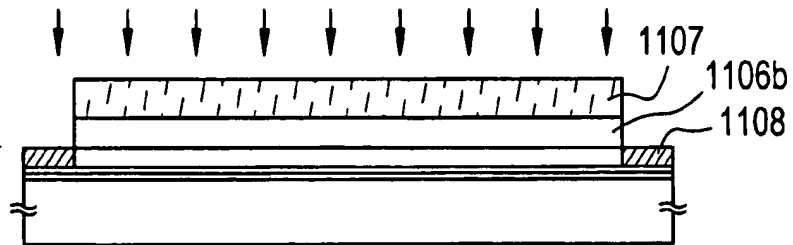


FIG. 13B

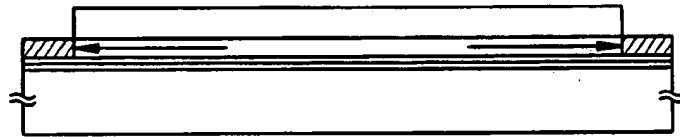


FIG. 13C

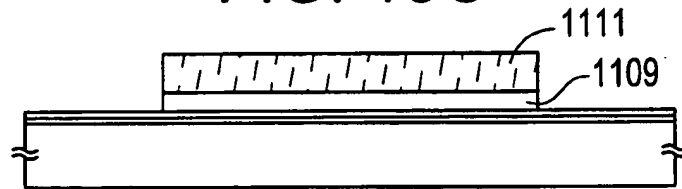
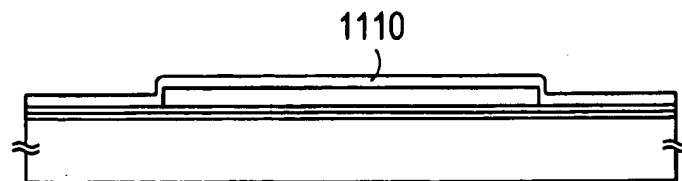


FIG. 13D



approved  
Lee  
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FIG. 14A

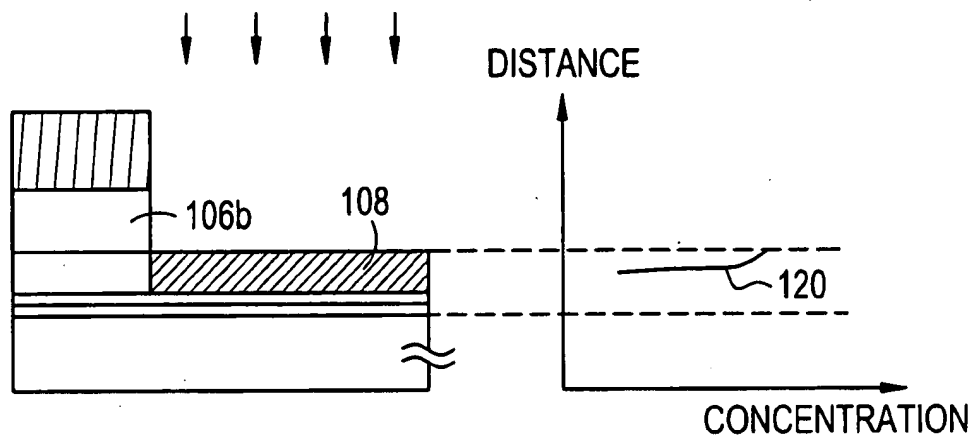


FIG. 14B

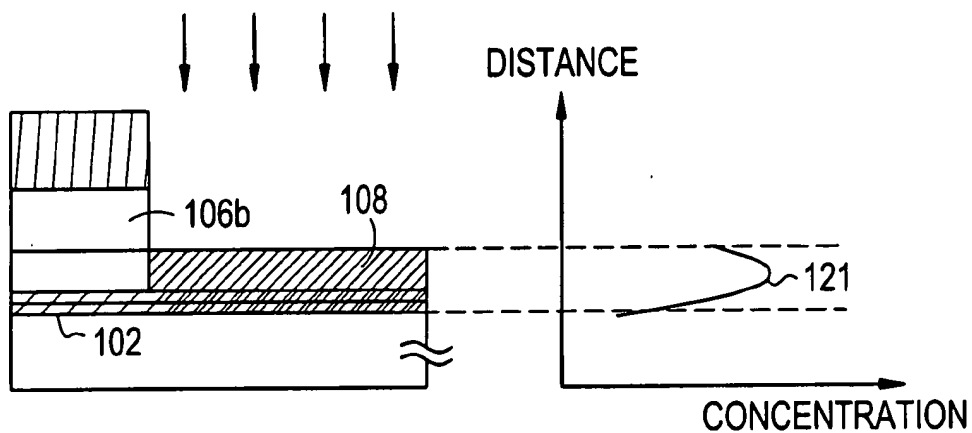
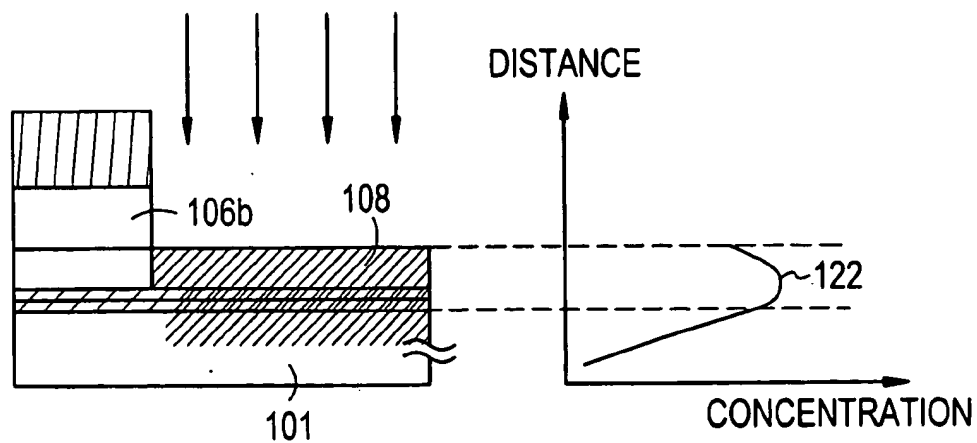


FIG. 14C

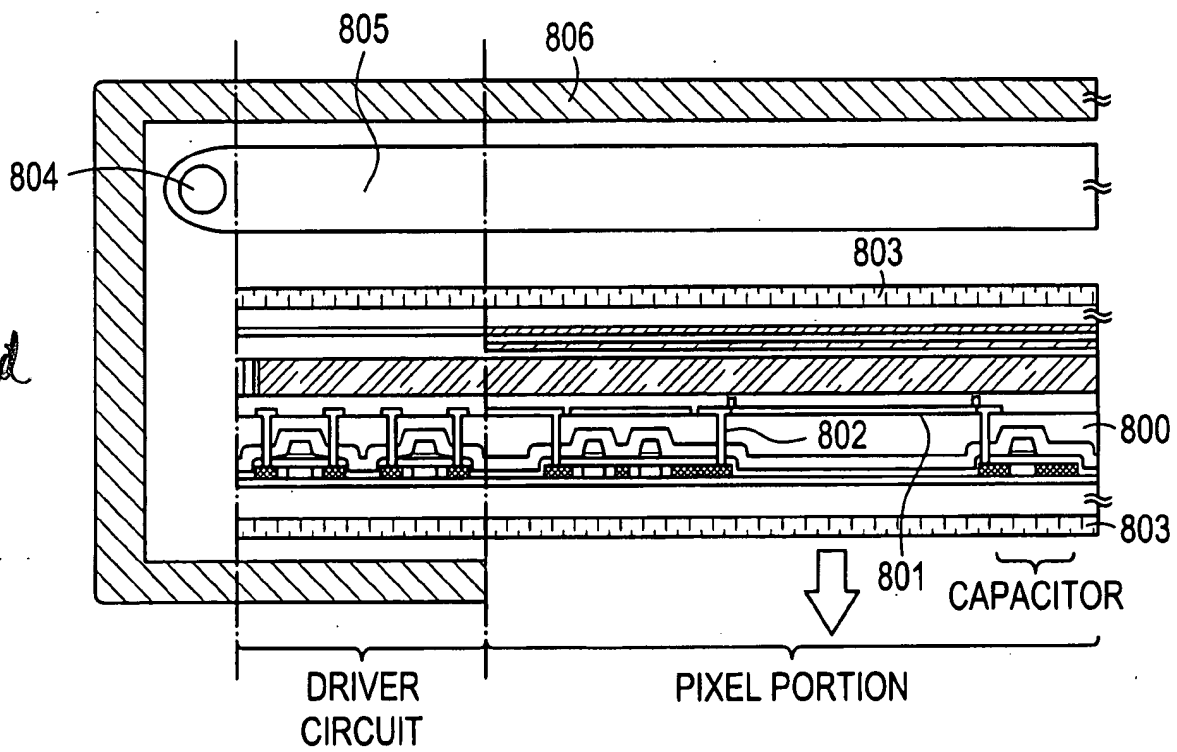


approved  
see  
1/13/05



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FIG. 15

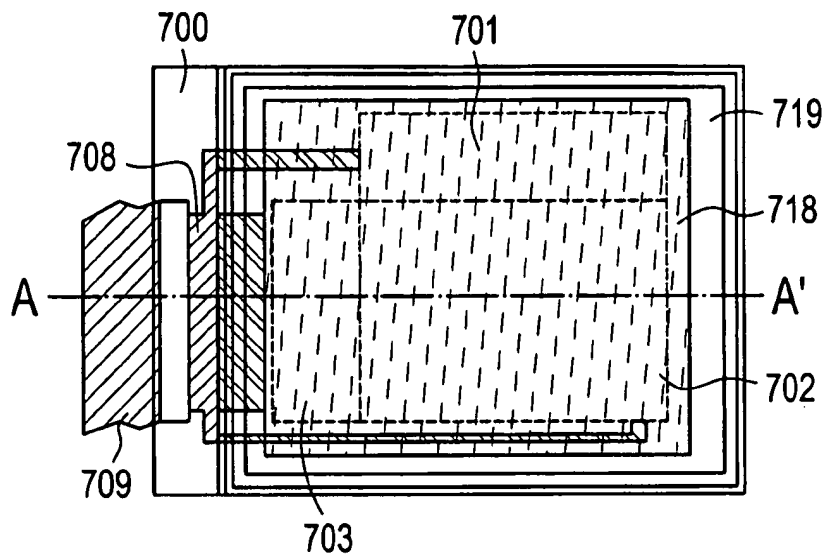


approved  
see  
1/13/05



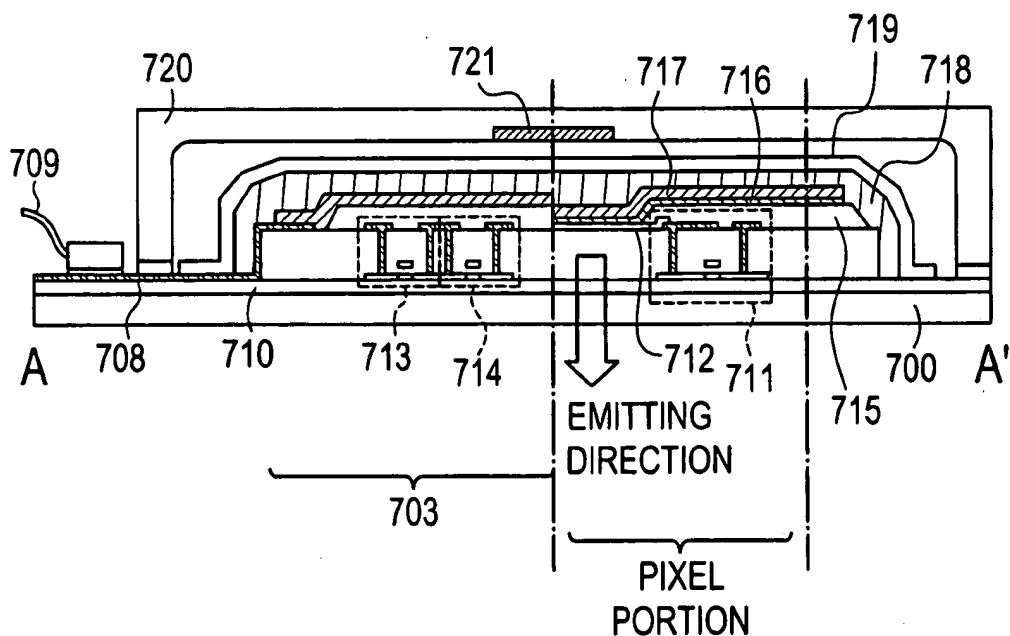
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FIG. 16A



approved  
see  
1/13/05

FIG. 16B







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FIG. 17

approved  
see  
1/13/05

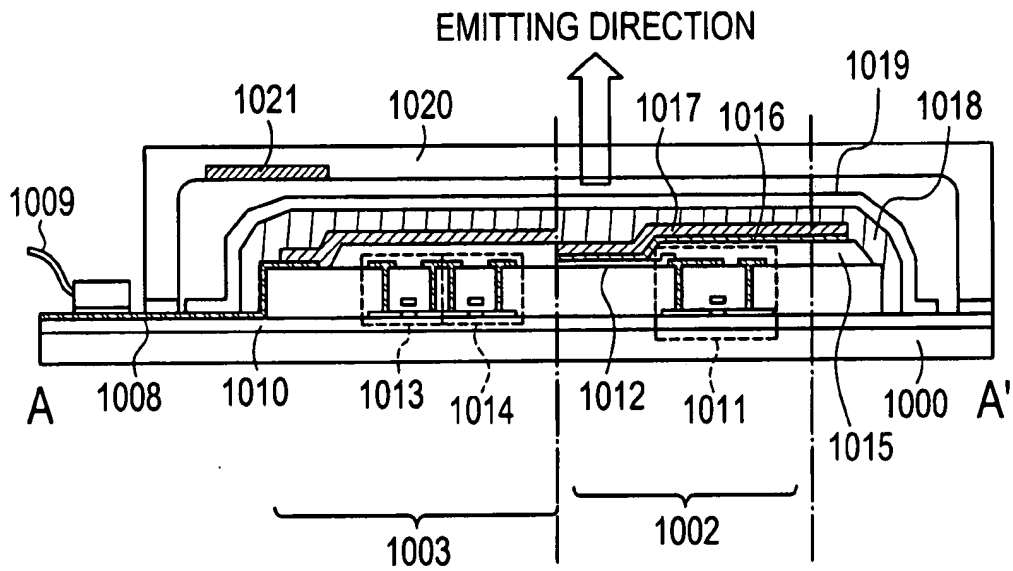
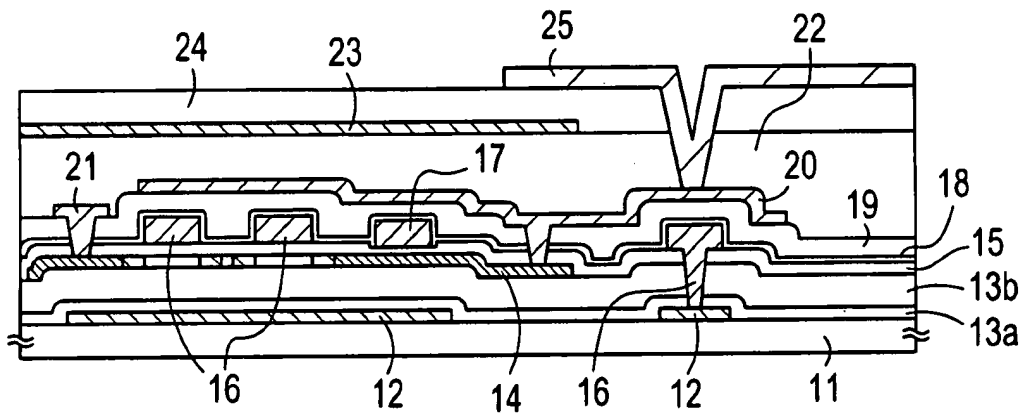




FIG. 18

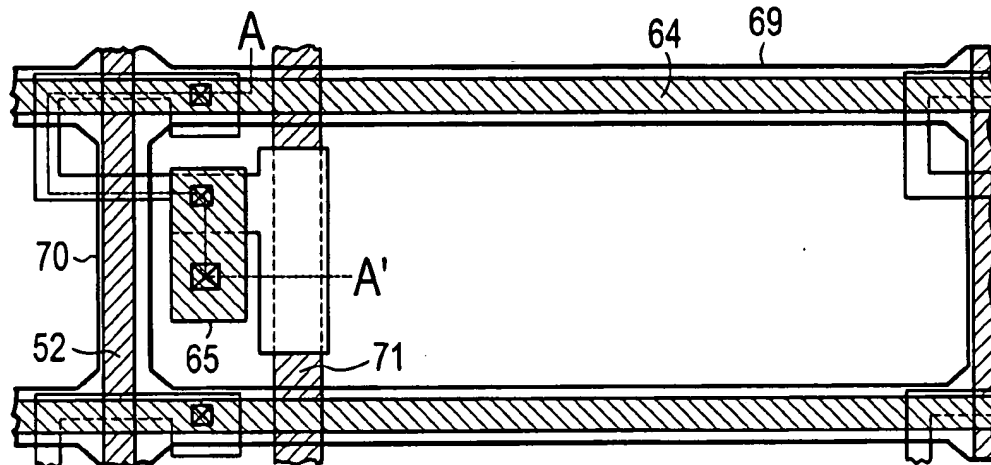
approved  
see  
1/3/05





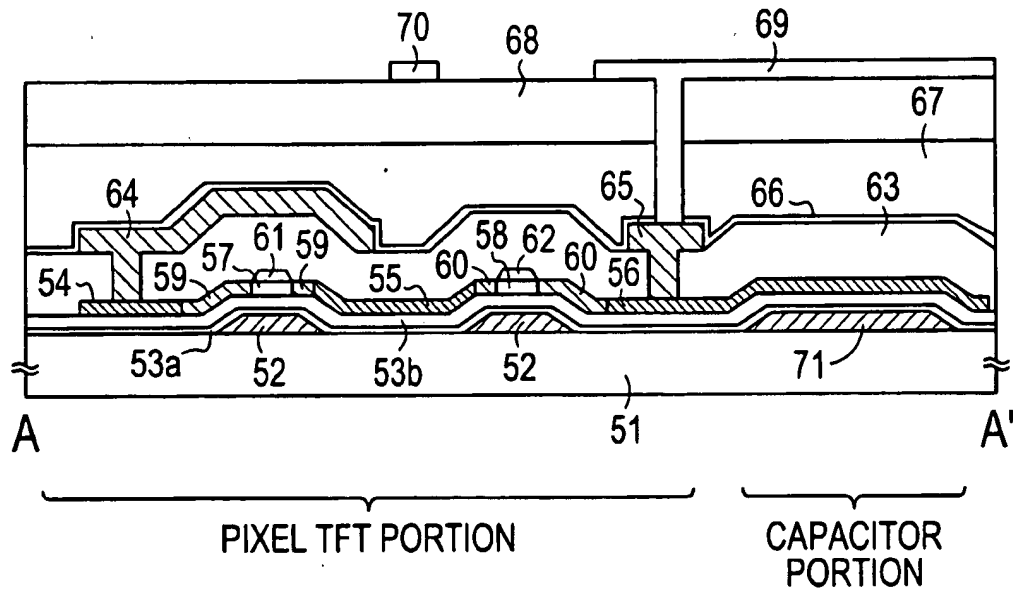
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FIG. 19A



approved  
See  
1/13/05

FIG. 19B





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FIG. 20

approved  
Lee  
1/13/05

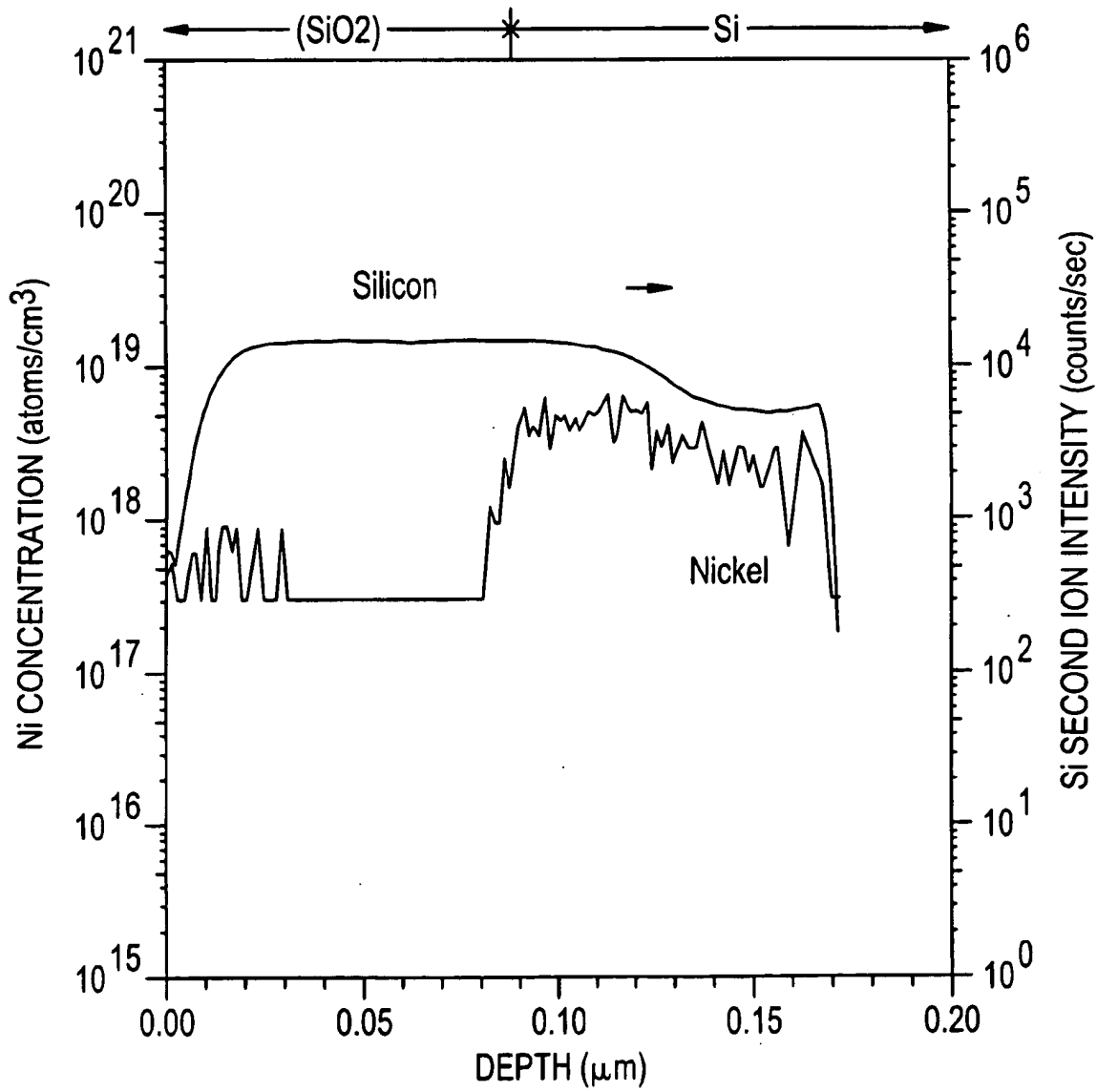
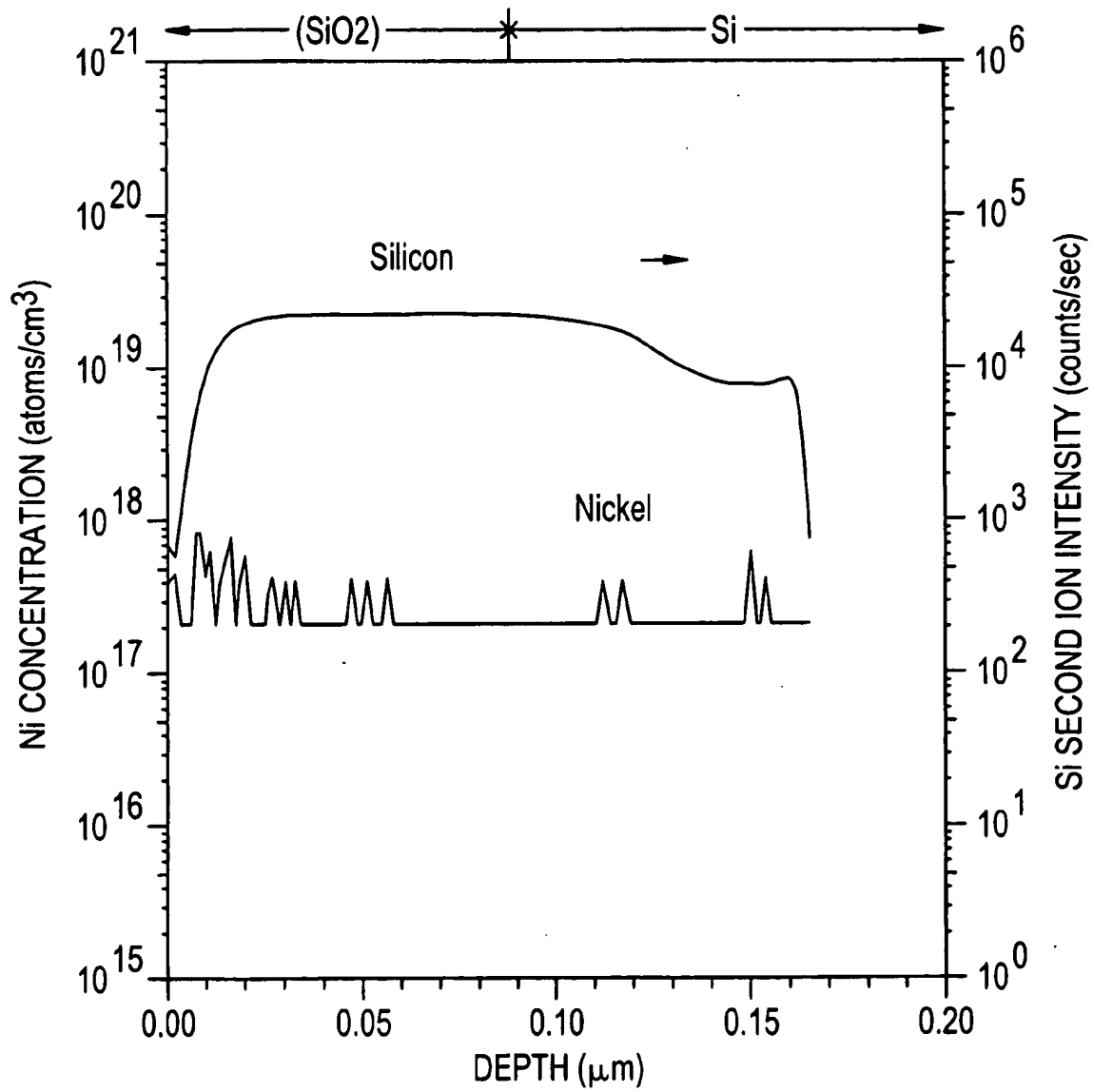




FIG. 21

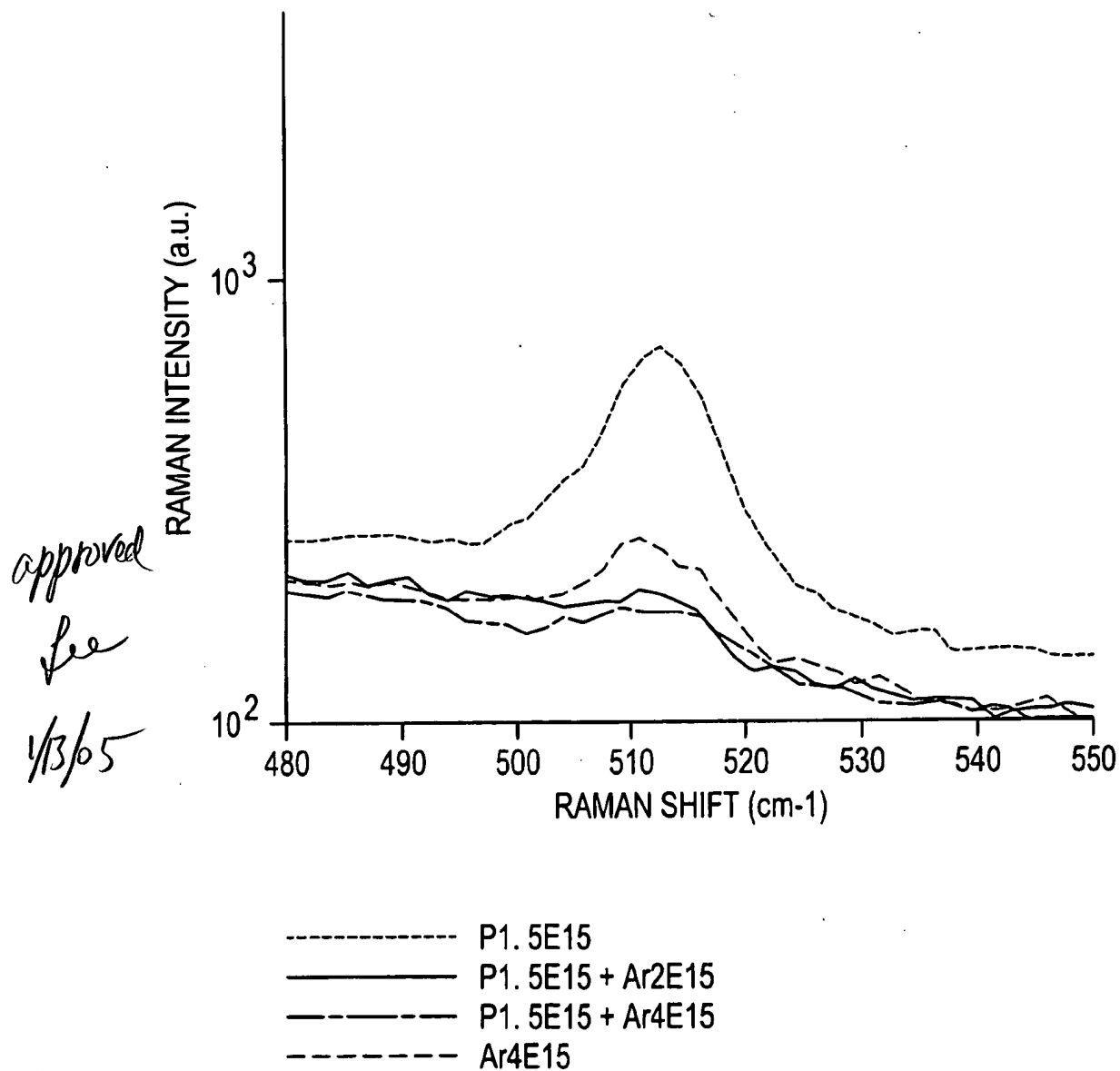


approved  
lee  
1/13/05



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FIG. 22

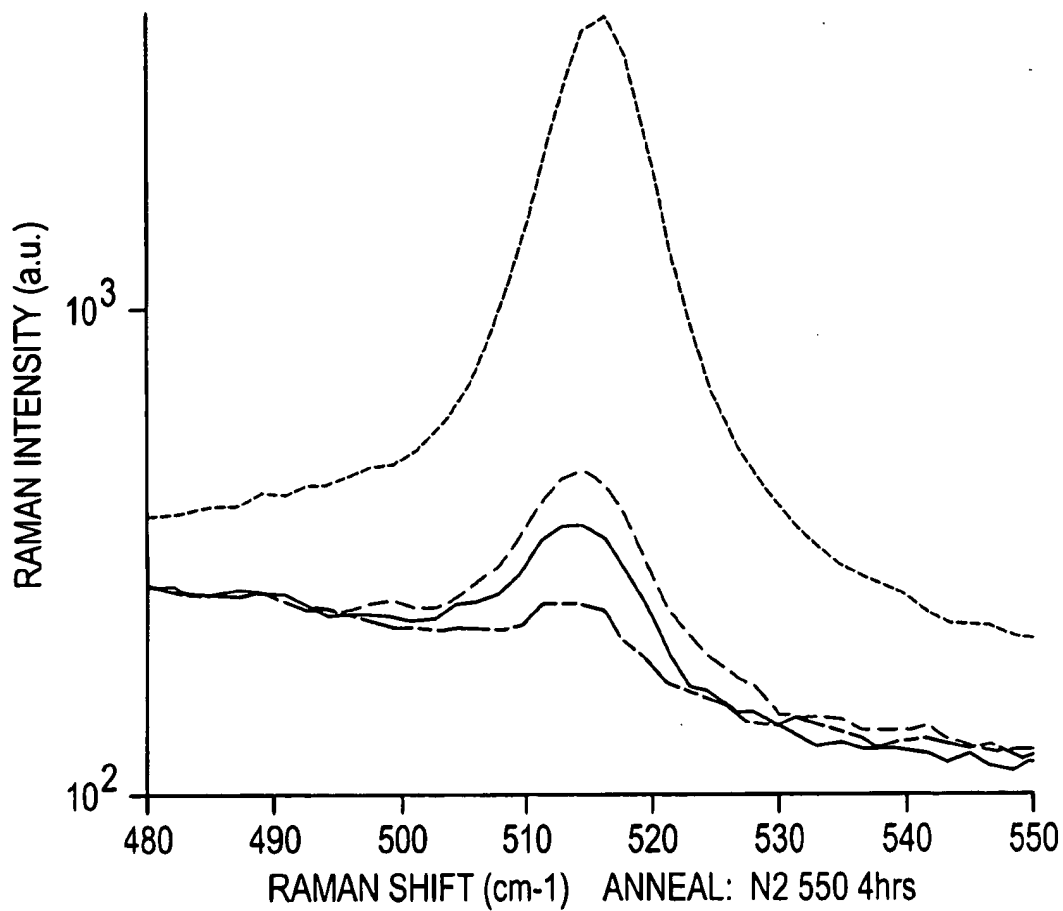




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FIG. 23

approved  
for  
1/13/05

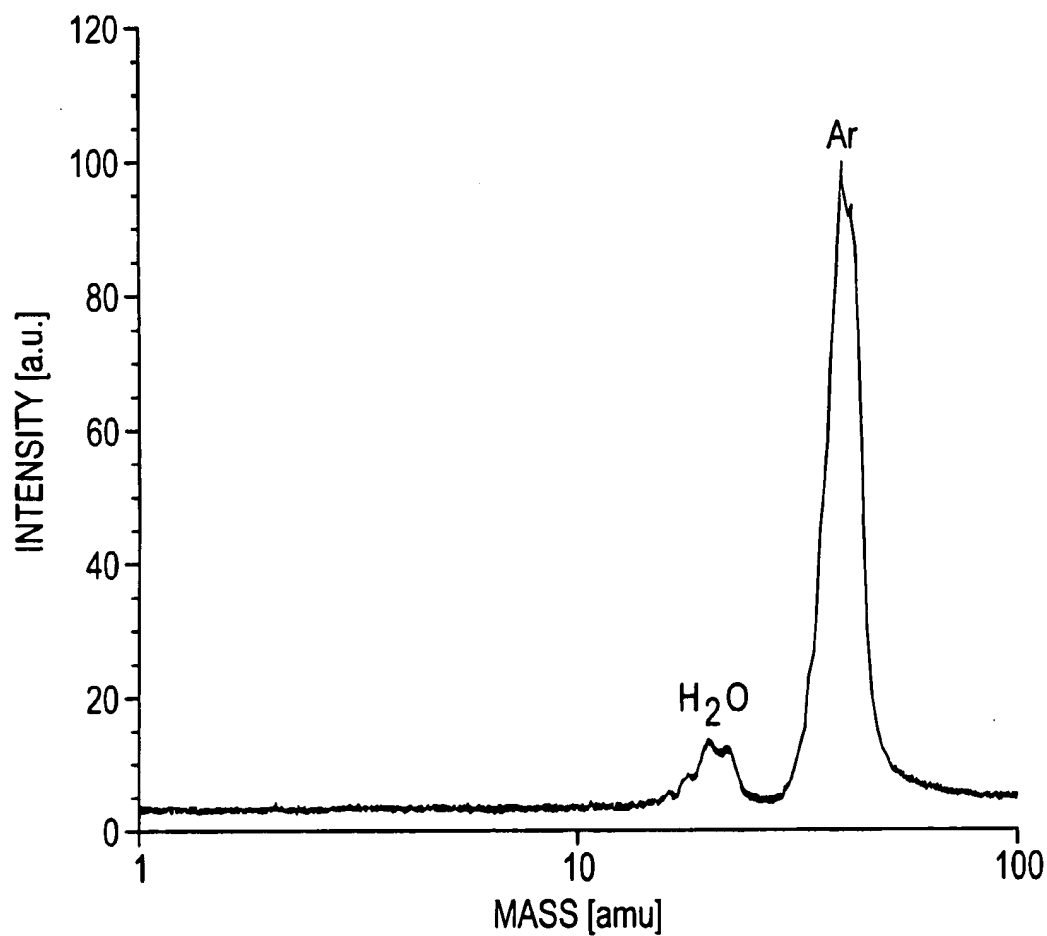


- P1. 5E15
- P1. 5E15 + Ar2E15
- - - - P1. 5E15 + Ar4E15
- . - . Ar4E15



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FIG. 24



approved  
See  
1/13/05

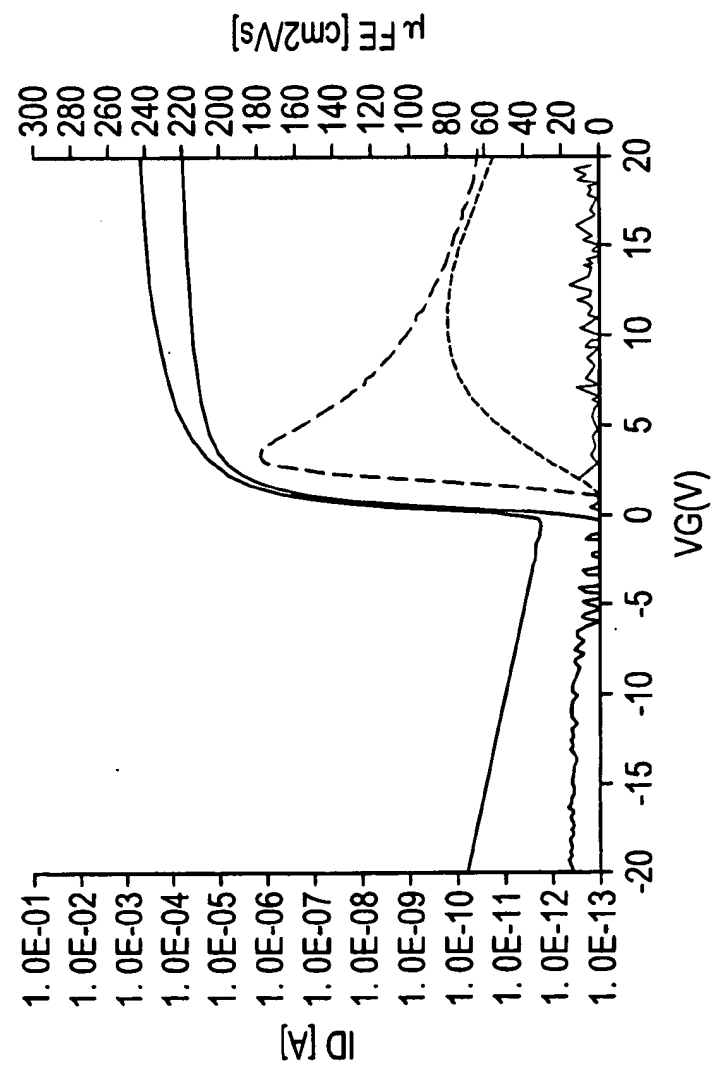
— Ar50cc5uA80kV



1/13/05  
 Lee  
 approved

FIG. 25

AP005-17, Unit. S XA3 Y11 ([C], N-ch, LW=7/8, Tox=115)

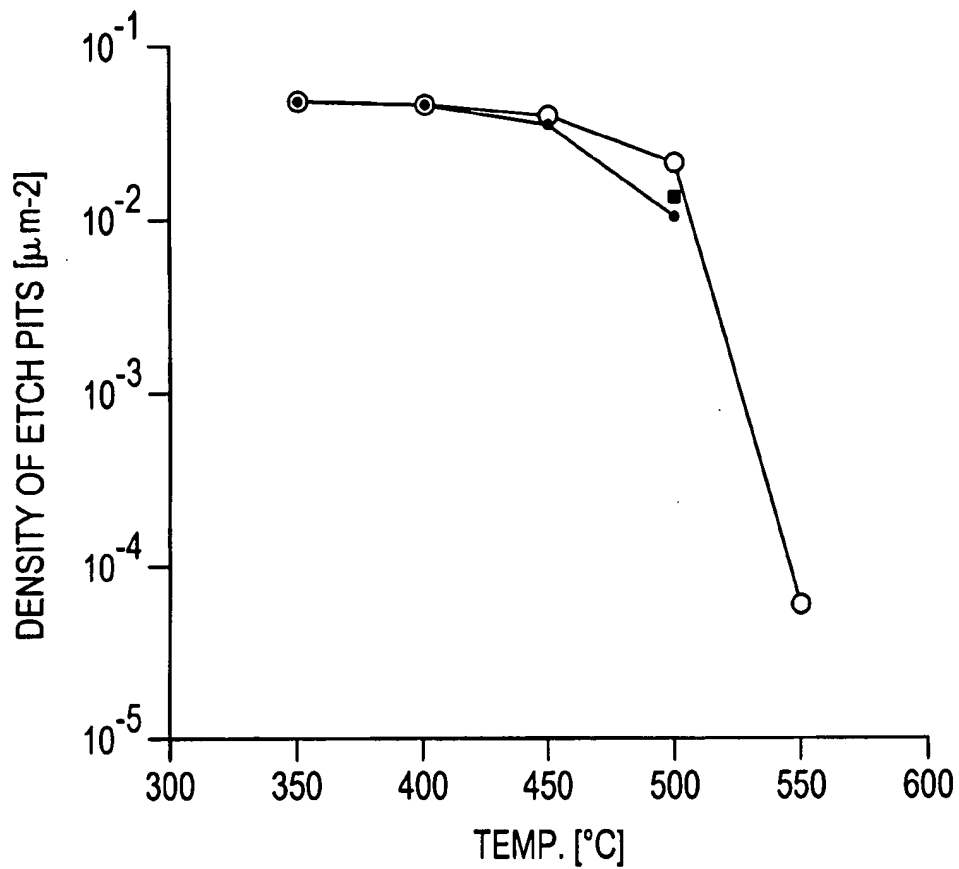


Lot No.:	AP005_CN	
FILE NAME	CHNSA311	
Comment	SemiAuto	
PARAMETER OF MEASUREMENT		
VD start		1
VD step		13
VD step number		2
PARAMETER OF CALCULATION		
CHANNEL TYPE		N
L [μm]		7.0
W [μm]		8.0
DIELECTRIC CONSTANT		4.1
THICKNESS OF OXIDE		115
RESULT OF CALCULATION		
Ion_2 [A]	2.34E-04	
Ioff_2 [A]	3.70E-12	
Shift_1[V]	0.231	
Vth [V]	1.222	
S-value [N/dec]	0.175	
μFE (max) [cm2/Vs]	179.9	



FIG. 26

Ar dope 80kV 5E15 (into GI900 A/poly-Si500 A/SiON + SiNO/#1737)



approved  
Lee  
1/3/05

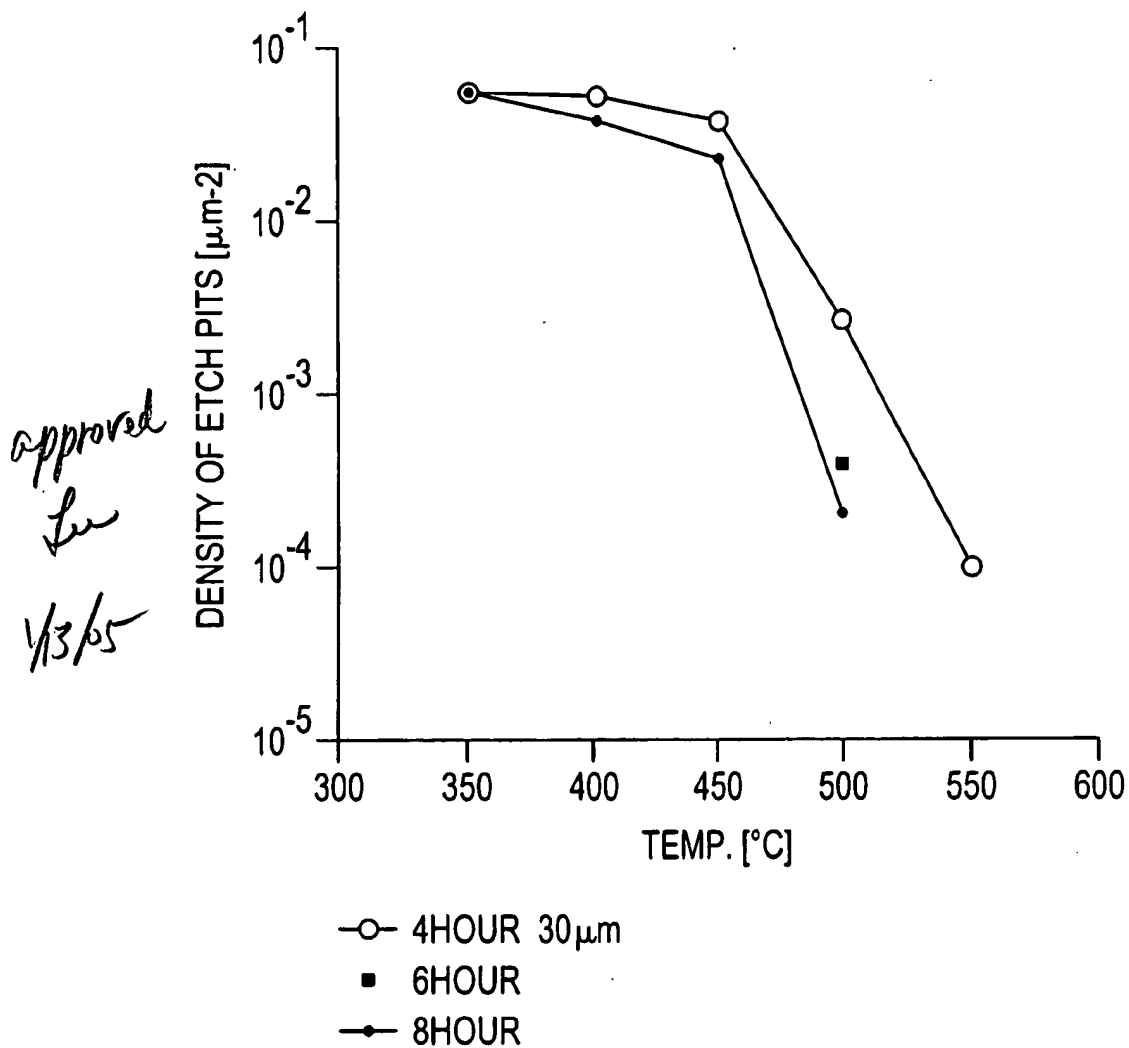
- 4HOUR 50 $\mu\text{m}$
- 6HOUR
- 8HOUR



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FIG. 27

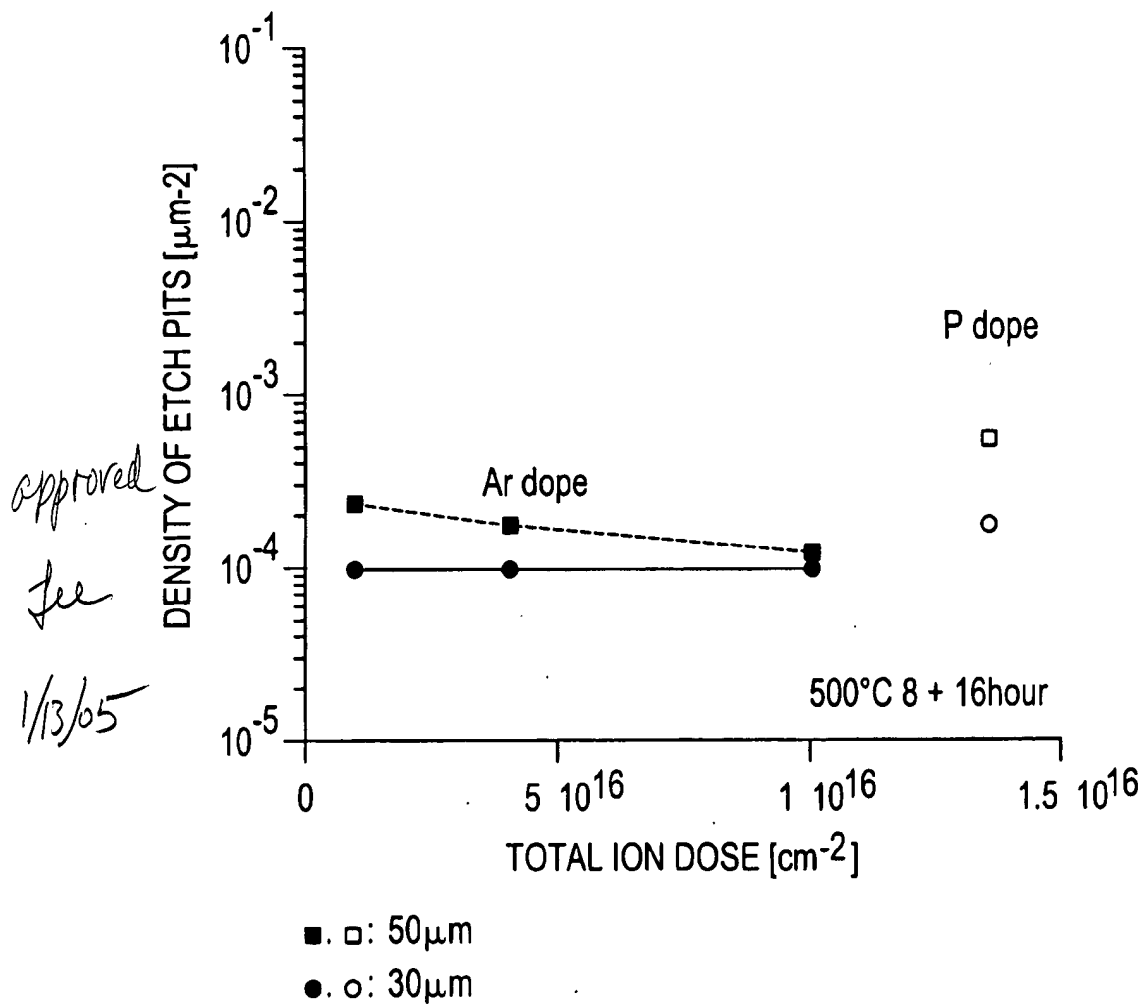
Ar dope 80kV 5E15 (into GI900 A/poly-Si500 A/SiON + SiNO/#1737)





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FIG. 28

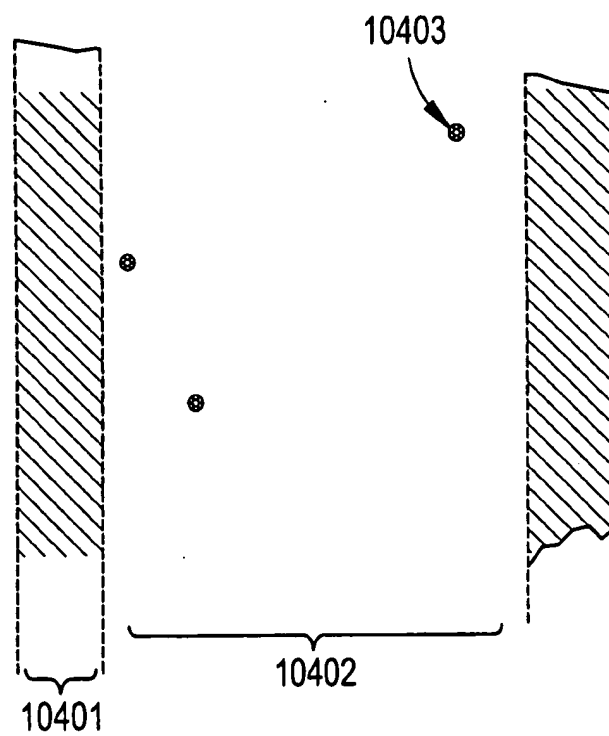




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FIG. 29

*approved  
Lee  
4/3/05*



approved  
 for  
 4/3/05

FIG. 30A

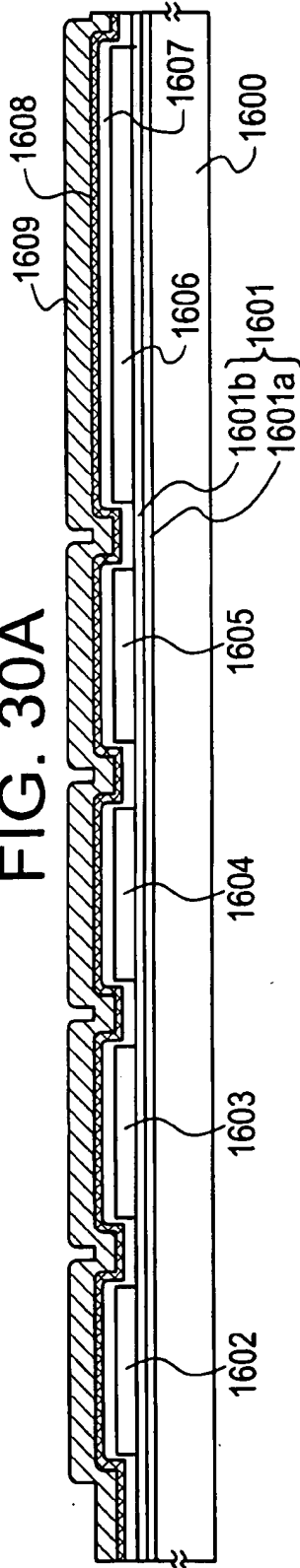


FIG. 30B

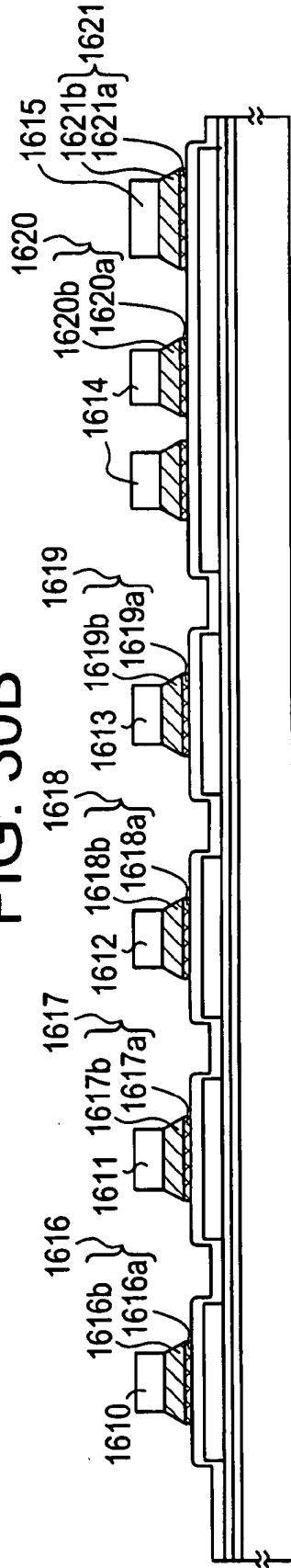
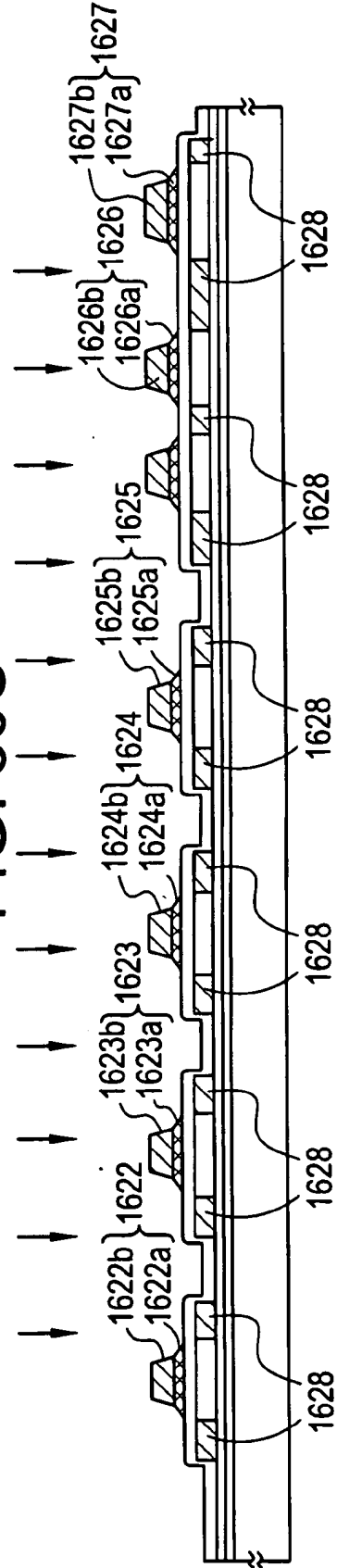


FIG. 30C







*approved*  
*See*  
*1/3/05*

FIG. 32

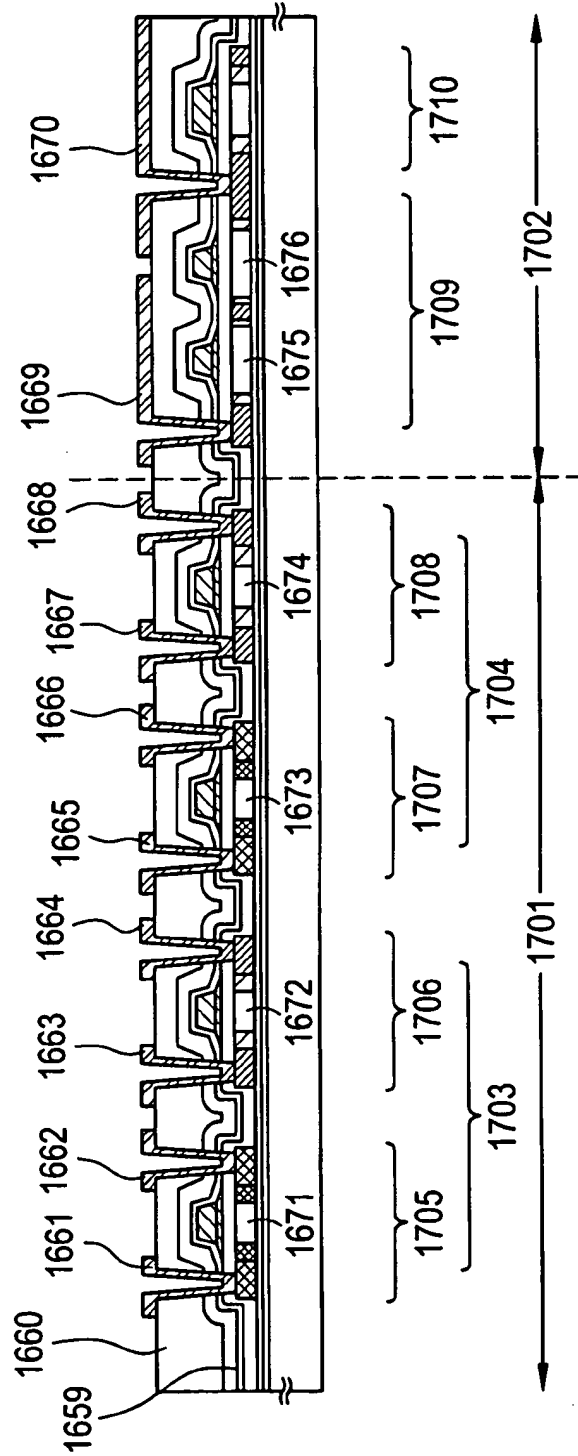




FIG. 33A

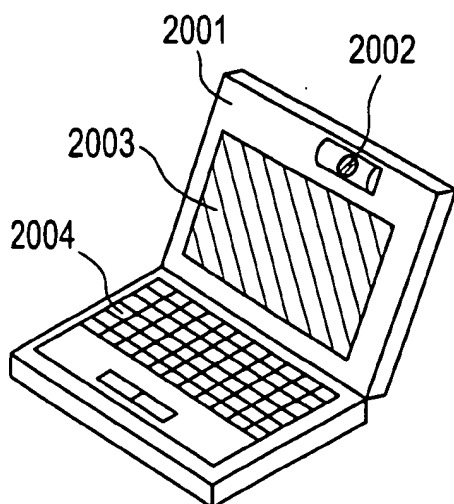


FIG. 33B

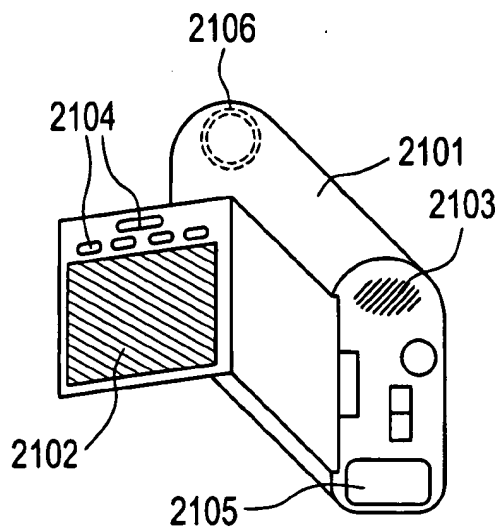


FIG. 33C

approved  
 see  
 1/13/05

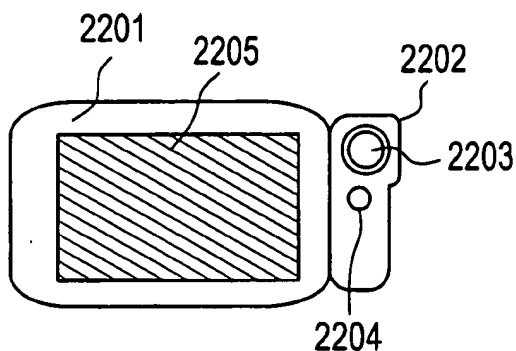


FIG. 33D

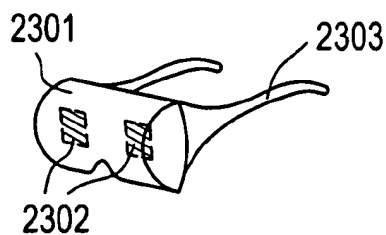


FIG. 33E

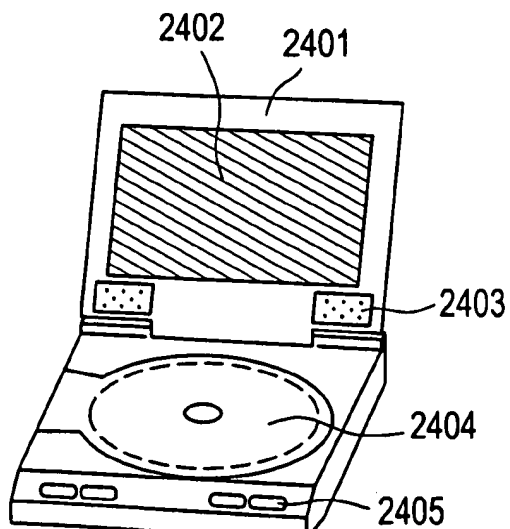
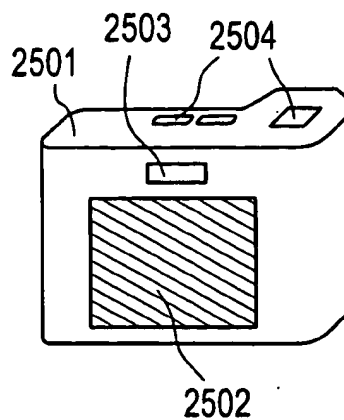


FIG. 33F

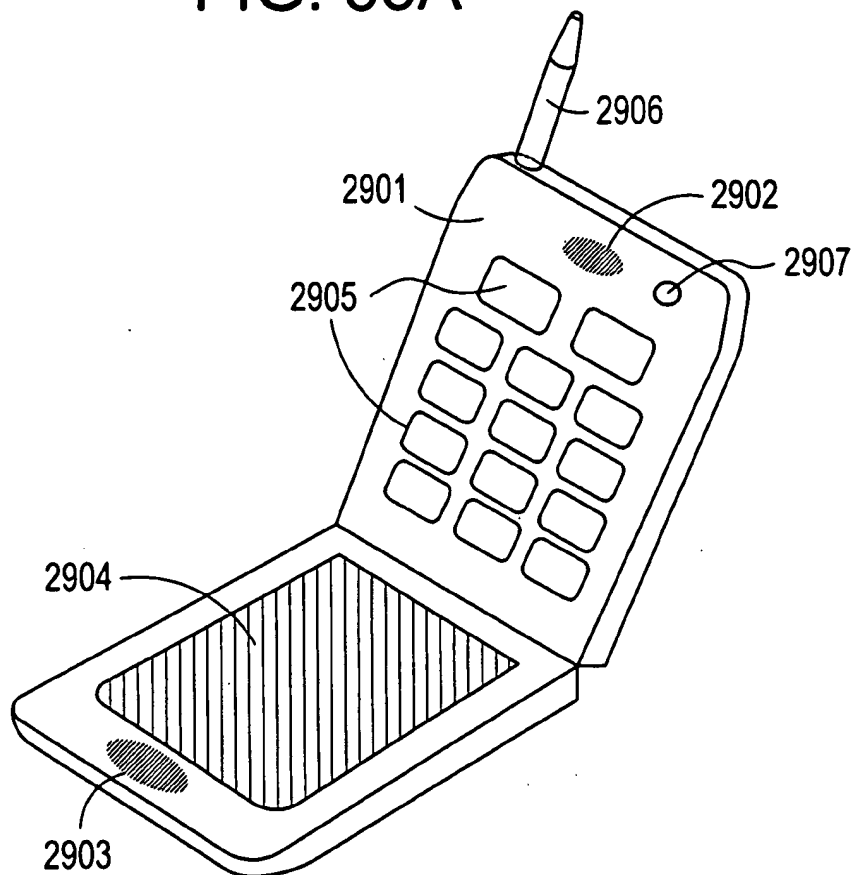






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FIG. 35A



approved  
see  
1/13/05

FIG. 35B

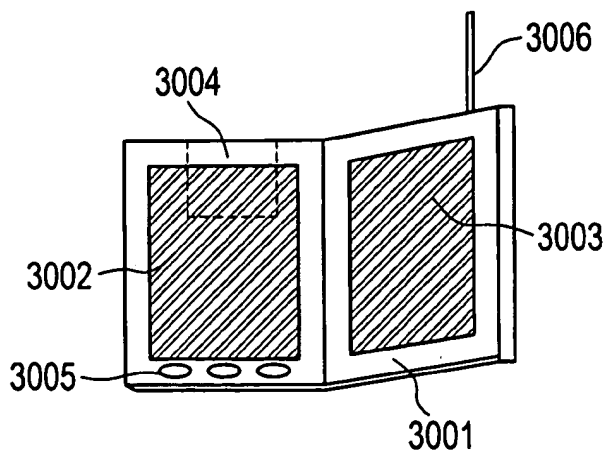
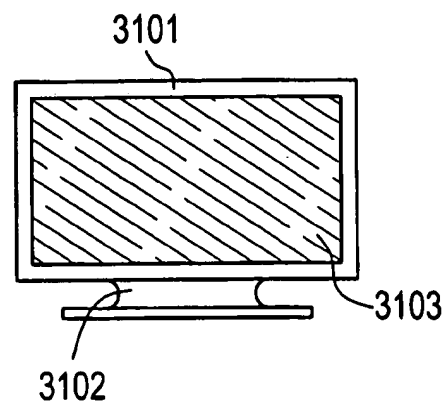


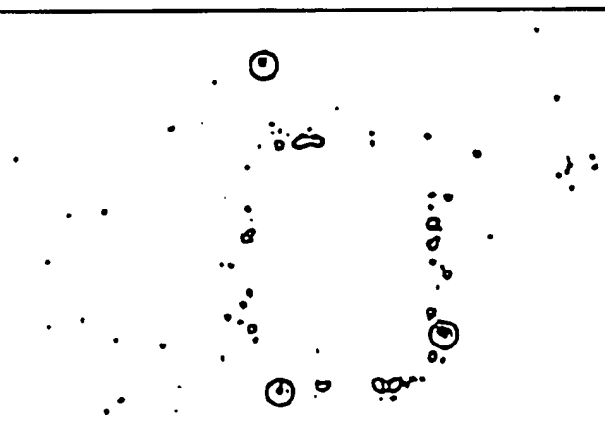
FIG. 35C





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FIG. 36

	GETTERING CONDITION
MAGNIFICATION	550° C4hrs
X 200	

approved  
Lee  
1/13/05